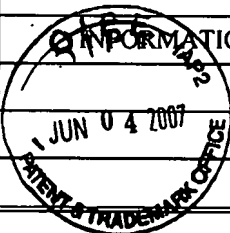


|  |    |   |            |                                   |       |                 |                            |    |
|--|----|---|------------|-----------------------------------|-------|-----------------|----------------------------|----|
| U.S. Department of Commerce, Patent and Trademark Office   |    |   |            | Atty. Docket No.                  |       | Application No. |                            |    |
|  |    |   |            | AB-1432 US                        |       | 10/532,459      |                            |    |
|   |    |   |            | Applicant(s)                      |       |                 |                            |    |
|  |    |   |            | KIM, Hyun-Jae and KANG, Myung-Koo |       |                 |                            |    |
|  |    |   |            | Filing Date                       |       | Group           |                            |    |
|  |    |   |            | 11/02/2005                        |       | 2812            |                            |    |
| U.S. Patent Documents  |    |   |            |                                   |       |                 |                            |    |
| *Examiner Initial  |    | Document Number   | Date       | Name                              | Class | Subclass        | Filing Date If Appropriate |    |
|  | AA |   |            |                                   |       |                 |                            |    |
|  | AB |   |            |                                   |       |                 |                            |    |
|  | AC |   |            |                                   |       |                 |                            |    |
|  | AD |   |            |                                   |       |                 |                            |    |
|  | AE |   |            |                                   |       |                 |                            |    |
|  | AF |   |            |                                   |       |                 |                            |    |
|  | AG |   |            |                                   |       |                 |                            |    |
|  | AH |   |            |                                   |       |                 |                            |    |
|  | AI |   |            |                                   |       |                 |                            |    |
|  | AJ |   |            |                                   |       |                 |                            |    |
|  | AK |   |            |                                   |       |                 |                            |    |
| Foreign Patent Documents   |    |   |            |                                   |       |                 |                            |    |
|  |    |   |            |                                   |       |                 | Translation                |    |
|  |    | Document  | Date       | Country                           | Class | Subclass        | Yes                        | No |
| <i>AB</i>  | AL | CN 1304548 A  | 07/18/2001 | China                             | —     | —               |                            | X  |
|  | AM |   |            |                                   |       |                 |                            |    |
|  | AN |   |            |                                   |       |                 |                            |    |
|  | AO |   |            |                                   |       |                 |                            |    |
|  | AP |   |            |                                   |       |                 |                            |    |
| OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)   |    |   |            |                                   |       |                 |                            |    |
| <i>AB</i>  | AQ | English Language Abstract, Publication No. CN 1304548, 07/18/2001, 1 p. |            |                                   |       |                 |                            |    |
|  | AR |   |            |                                   |       |                 |                            |    |
|  | AS |   |            |                                   |       |                 |                            |    |
| Examiner <i>Richard An</i>   |    | Date Considered <i>06/23/07</i>   |            |                                   |       |                 |                            |    |
| <p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.</p> |    |   |            |                                   |       |                 |                            |    |

10/532459

IC13 Rec'd PCT/PTO 22 APR 2003 Sheet 1 of 2

|  |  |                                   |                   |
|--|--|-----------------------------------|-------------------|
| U.S. Department of Commerce, Patent and Trademark Office |  | Atty. Docket No.                  | Application No.   |
|  |  | AB-1432 US                        | Not Assigned      |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT            |  | Applicant(s)                      |                   |
| (Use several sheets if necessary)                        |  | KIM, Hyun-Jae and KANG, Myung-Koo |                   |
|  |  | Filing Date                       | Group             |
|  |  | Herewith                          | Not Assigned 2812 |

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| RB                | AD | US 2002/0110962 | 08/15/2002 | Wada et al. | I     | I        |                            |
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|                   | AF |                 |            |             |       |          |                            |
|                   | AG |                 |            |             |       |          |                            |
|                   | AH |                 |            |             |       |          |                            |
|                   | AI |                 |            |             |       |          |                            |
|                   | AJ |                 |            |             |       |          |                            |
|                   | AK |                 |            |             |       |          |                            |

## Foreign Patent Documents

|  |    |          |      |         |       |          | Translation |    |
|--|----|----------|------|---------|-------|----------|-------------|----|
|  |    | Document | Date | Country | Class | Subclass | Yes         | No |
|  | AL |          |      |         |       |          |             |    |
|  | AM |          |      |         |       |          |             |    |
|  | AN |          |      |         |       |          |             |    |
|  | AO |          |      |         |       |          |             |    |
|  | AP |          |      |         |       |          |             |    |

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| RB | AQ | Patent Abstracts of Japan, Publication No. 54-153745, 12/04/1979, 1 page |
| RB | AR | Patent Abstracts of Japan, Publication No. 56-047288, 04/28/1981         |
| RB | AS | Patent Abstracts of Japan, Publication No. 60-247488, 12/07/1985         |

|          |                    |                 |          |
|----------|--------------------|-----------------|----------|
| Examiner | <i>[Signature]</i> | Date Considered | 06/23/02 |
|----------|--------------------|-----------------|----------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

|   |    |  |      |                                   |       |                        |                            |    |
|---|----|--|------|-----------------------------------|-------|------------------------|----------------------------|----|
| U.S. Department of Commerce, Patent and Trademark Office  |    |  |      | Atty. Docket No.                  |       | Application No.        |                            |    |
|   |    |  |      | AB-1432 US                        |       | Not Assigned           |                            |    |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT   |    |  |      | Applicant(s)                      |       |                        |                            |    |
| (Use several sheets if necessary)   |    |  |      | KIM, Hyun-Jae and KANG, Myung-Koo |       |                        |                            |    |
|   |    |  |      | Filing Date                       |       | Group                  |                            |    |
|   |    |  |      | Herewith                          |       | Not Assigned <i>24</i> |                            |    |
| U.S. Patent Documents   |    |  |      |                                   |       |                        |                            |    |
| *Examiner Initial   |    | Document Number  | Date | Name                              | Class | Subclass               | Filing Date If Appropriate |    |
|   | AA |  |      |                                   |       |                        |                            |    |
|   | AB |  |      |                                   |       |                        |                            |    |
|   | AC |  |      |                                   |       |                        |                            |    |
|   | AD |  |      |                                   |       |                        |                            |    |
|   | AE |  |      |                                   |       |                        |                            |    |
|   | AF |  |      |                                   |       |                        |                            |    |
|   | AG |  |      |                                   |       |                        |                            |    |
|   | AH |  |      |                                   |       |                        |                            |    |
|   | AI |  |      |                                   |       |                        |                            |    |
|   | AJ |  |      |                                   |       |                        |                            |    |
|   | AK |  |      |                                   |       |                        |                            |    |
| Foreign Patent Documents  |    |  |      |                                   |       |                        |                            |    |
|   |    |  |      |                                   |       |                        | Translation                |    |
|   |    | Document   | Date | Country                           | Class | Subclass               | Yes                        | No |
|   | AL |  |      |                                   |       |                        |                            |    |
|   | AM |  |      |                                   |       |                        |                            |    |
|   | AN |  |      |                                   |       |                        |                            |    |
|   | AO |  |      |                                   |       |                        |                            |    |
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| OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)  |    |  |      |                                   |       |                        |                            |    |
| <i>2B</i>   | AQ | Patent Abstracts of Japan, Publication No. 01-214011, 08/28/1989 |      |                                   |       |                        |                            |    |
| <i>AB</i>   | AR | Patent Abstracts of Japan, Publication No. 02-165880, 06/26/1990 |      |                                   |       |                        |                            |    |
| <i>AB</i>   | AS | Patent Abstracts of Japan, Publication No. 03-235040, 10/21/1991 |      |                                   |       |                        |                            |    |
| Examiner  |    | <i>Richard</i>   |      |                                   |       |                        |                            |    |
|   |    | Date Considered <i>06/23/07</i>                                  |      |                                   |       |                        |                            |    |
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